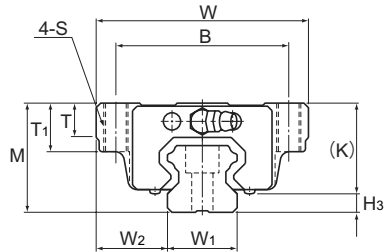
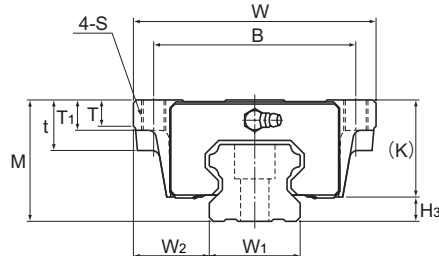


Models HSR-A and HSR-AM, Models HSR-LA and HSR-LAM



Models HSR15 to 35A/LA/AM/LAM



Models HSR45 to 85A/LA

| Model No. | Outer dimensions | | | LM block dimensions | | | | | | | | | | | Grease nipple | H ₃ |
|-----------------------|------------------|-------|--------------|---------------------|-----|-----|----------------|----|------|----------------|------|-----|-----|---------|---------------|----------------|
| | Height | Width | Length | B | C | S | L ₁ | t | T | T ₁ | K | N | E | | | |
| | M | W | L | B | C | S | L ₁ | t | T | T ₁ | K | N | E | | | |
| HSR 15A HSR 15AM | 24 | 47 | 56.6 | 38 | 30 | M5 | 38.8 | — | 7 | 11 | 19.3 | 4.3 | 5.5 | PB1021B | 3.5 | |
| HSR 20A HSR 20AM | 30 | 63 | 74 | 53 | 40 | M6 | 50.8 | — | 10 | 9.5 | 26 | 5 | 12 | B-M6F | 4 | |
| HSR 20LA HSR 20LAM | 30 | 63 | 90 | 53 | 40 | M6 | 66.8 | — | 10 | 9.5 | 26 | 5 | 12 | B-M6F | 4 | |
| HSR 25A HSR 25AM | 36 | 70 | 83.1 | 57 | 45 | M8 | 59.5 | — | 11 | 16 | 30.5 | 6 | 12 | B-M6F | 5.5 | |
| HSR 25LA HSR 25LAM | 36 | 70 | 102.2 | 57 | 45 | M8 | 78.6 | — | 11 | 16 | 30.5 | 6 | 12 | B-M6F | 5.5 | |
| HSR 30A HSR 30AM | 42 | 90 | 98 | 72 | 52 | M10 | 70.4 | — | 9 | 18 | 35 | 7 | 12 | B-M6F | 7 | |
| HSR 30LA HSR 30LAM | 42 | 90 | 120.6 | 72 | 52 | M10 | 93 | — | 9 | 18 | 35 | 7 | 12 | B-M6F | 7 | |
| HSR 35A HSR 35AM | 48 | 100 | 109.4 | 82 | 62 | M10 | 80.4 | — | 12 | 21 | 40.5 | 8 | 12 | B-M6F | 7.5 | |
| HSR 35LA HSR 35LAM | 48 | 100 | 134.8 | 82 | 62 | M10 | 105.8 | — | 12 | 21 | 40.5 | 8 | 12 | B-M6F | 7.5 | |
| HSR 45A HSR 45LA | 60 | 120 | 139 170.8 | 100 | 80 | M12 | 98 129.8 | 25 | 13 | 15 | 50 | 10 | 16 | B-PT1/8 | 10 | |
| HSR 55A HSR 55LA | 70 | 140 | 163 201.1 | 116 | 95 | M14 | 118 156.1 | 29 | 13.5 | 17 | 57 | 11 | 16 | B-PT1/8 | 13 | |
| HSR 65A HSR 65LA | 90 | 170 | 186 245.5 | 142 | 110 | M16 | 147 206.5 | 37 | 21.5 | 23 | 76 | 19 | 16 | B-PT1/8 | 14 | |
| HSR 85A HSR 85LA | 110 | 215 | 245.6 303 | 185 | 140 | M20 | 178.6 236 | 55 | 28 | 30 | 94 | 23 | 16 | B-PT1/8 | 16 | |

Model number coding

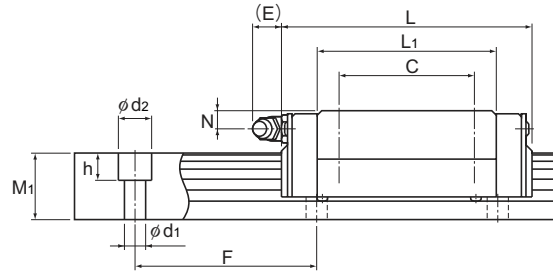
HSR25 A 2 QZ UU C0 M +1200L P T M -II

| | | | | | | | | |
|--------------|--|--------------------|---|--------------------------|------------------------|--|--------------------------------|---|
| Model number | Type of LM block | With QZ Lubricator | Contamination protection accessory symbol (*1) | Stainless steel LM block | LM rail length (in mm) | Stainless steel LM rail | Symbol for LM rail jointed use | Symbol for No. of rails used on the same plane (*4) |
| | No. of LM blocks used on the same rail | | Radial clearance symbol (*2) Normal (No symbol) Light preload (C1) Medium preload (C0) | | | Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP) | | |

(*1) See contamination protection accessory on A-368. (*2) See A-114. (*3) See A-119. (*4) See A-59.

Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

Those models equipped with QZ Lubricator cannot have a grease nipple.



LM Guide

Unit: mm

| | LM rail dimensions | | | | | | Basic load rating | | Static permissible moment kN-m* | | | | | | Mass | |
|--|----------------------------------|----------------|--------------------------|------------|-----------------------------------|----------------|-------------------|----------------|---------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|-----------------|
| | Width W ₁ ±0.05 | W ₂ | Height M ₁ | Pitch F | d ₁ ×d ₂ ×h | Length* Max | C | C ₀ | M _A | | M _B | | M _C | | LM block kg | LM rail kg/m |
| | | | | | | | | | 1 block | Double blocks | 1 block | Double blocks | 1 block | Double blocks | | |
| | 15 | 16 | 15 | 60 | 4.5×7.5×5.3 | 3000 (1240) | 8.33 | 13.5 | 0.0805 | 0.457 | 0.0805 | 0.457 | 0.0844 | 0.2 | 1.5 | |
| | 20 | 21.5 | 18 | 60 | 6×9.5×8.5 | 3000 (1480) | 13.8 | 23.8 | 0.19 | 1.04 | 0.19 | 1.04 | 0.201 | 0.35 | 2.3 | |
| | 20 | 21.5 | 18 | 60 | 6×9.5×8.5 | 3000 (1480) | 21.3 | 31.8 | 0.323 | 1.66 | 0.323 | 1.66 | 0.27 | 0.47 | 2.3 | |
| | 23 | 23.5 | 22 | 60 | 7×11×9 | 3000 (2020) | 19.9 | 34.4 | 0.307 | 1.71 | 0.307 | 1.71 | 0.344 | 0.59 | 3.3 | |
| | 23 | 23.5 | 22 | 60 | 7×11×9 | 3000 (2020) | 27.2 | 45.9 | 0.529 | 2.74 | 0.529 | 2.74 | 0.459 | 0.75 | 3.3 | |
| | 28 | 31 | 26 | 80 | 9×14×12 | 3000 (2520) | 28 | 46.8 | 0.524 | 2.7 | 0.524 | 2.7 | 0.562 | 1.1 | 4.8 | |
| | 28 | 31 | 26 | 80 | 9×14×12 | 3000 (2520) | 37.3 | 62.5 | 0.889 | 4.37 | 0.889 | 4.37 | 0.751 | 1.3 | 4.8 | |
| | 34 | 33 | 29 | 80 | 9×14×12 | 3000 (2520) | 37.3 | 61.1 | 0.782 | 3.93 | 0.782 | 3.93 | 0.905 | 1.6 | 6.6 | |
| | 34 | 33 | 29 | 80 | 9×14×12 | 3000 (2520) | 50.2 | 81.5 | 1.32 | 6.35 | 1.32 | 6.35 | 1.2 | 2 | 6.6 | |
| | 45 | 37.5 | 38 | 105 | 14×20×17 | 3090 | 60 80.4 | 95.6 127 | 1.42 2.44 | 7.92 12.6 | 1.42 2.44 | 7.92 12.6 | 1.83 2.43 | 2.8 3.3 | 11 | |
| | 53 | 43.5 | 44 | 120 | 16×23×20 | 3060 | 88.5 119 | 137 183 | 2.45 4.22 | 13.2 21.3 | 2.45 4.22 | 13.2 21.3 | 3.2 4.28 | 4.5 5.7 | 15.1 | |
| | 63 | 53.5 | 53 | 150 | 18×26×22 | 3000 | 141 192 | 215 286 | 4.8 8.72 | 23.5 40.5 | 4.8 8.72 | 23.5 40.5 | 5.82 7.7 | 8.5 10.7 | 22.5 | |
| | 85 | 65 | 65 | 180 | 24×35×28 | 3000 | 210 282 | 310 412 | 8.31 14.2 | 45.6 72.5 | 8.31 14.2 | 45.6 72.5 | 11 14.7 | 17 23 | 35.2 | |

Note) Symbol M indicates that stainless steel is used in the LM block, LM rail and balls. Those models marked with this symbol are therefore highly resistant to corrosion and environment.
 The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See B-82.)
 Static permissible moment*: 1 block: static permissible moment value with 1 LM block
 Double blocks: static permissible moment value with 2 blocks closely contacting with each other